Brickcom

# Hardware User's Manual

## Megapixel Day & Night
## Outdoor Bullet Network Camera
## Quality Service Group

Outdoor Bullet V2 Series

# Review History:

1. **Separate User Manual into HW and SW.**
2. **Merge OB-100A V2 series /OB-130N-series into this User Manual.**
3. **Add OB-500A Series /OB-300N Series into the User Manual.**

| | |
|---|---|
| Product name: | Network Camera (Outdoor Bullet V2 series) |
| Release Date: | 2012/05 |
| Manual Revision: | V3.1 |
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# Table of Contents

Before You Use This Product ..... 1
Regulatory Information ..... 2
Plaque signalétique du produit final ..... 4
Chapter 1 - Package Contents ..... 6
Chapter 2 - Outdoor Bullet Network Camera Overview ..... 9
Chapter 3 - Device Appearance Description ..... 10
Chapter 4 - Installation ..... 14
4.1 Hardware Installation ..... 14
4.2 Camera Connection ..... 20
4.3 System Requirements ..... 22
4.4 Software Installation ..... 23
4.3.1 EasyConfig ..... 31

# Before You Use This Product

In many countries, there are laws prohibiting or restricting the use of surveillance devices. This Network Camera is a high-performance, web-ready camera which can be part of a flexible surveillance system. It is the user's responsibility to ensure that the operation of this camera is legal before installing this unit for its intended use.

Upon opening the product's package, verify that all the accessories listed on the "Package Contents" are included. Before installing the Network Camera, read the warnings in the "Quick Installation Guide" to avoid misuse. When installing the Network Camera, carefully read and follow the instructions in the "Installation" chapters to avoid damages due to faulty assembly or installation.

# Regulatory Information

## Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**IMPORTANT NOTE:**

**FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

## Industry Canada statement:

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

NOTE IMPORTANTE: (Pour l'utilisation de dispositifs mobiles)
Déclaration d'exposition aux radiations:
Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

**Avertissement:**

Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Conformement a la reglementation d'Industrie Canada, le present emetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inferieur) approuve pour l'emetteur par Industrie Canada. Dans le but de reduire les risques de brouillage radioelectrique a l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnee equivalente (p.i.r.e.) ne depasse pas l'intensite necessaire a l'etablissement d'une communication satisfaisante.

Le present emetteur radio (IC: 9219A-WMDR129N)a ete approuve par Industrie Canada pour fonctionner avec les types d'antenne enumeres ci-dessous et ayant un gain admissible maximal et l'impedance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est superieur au gain maximal indique, sont strictement interdits pour l'exploitation de l'emetteur.

Ce dispositif a ete concu pour fonctionner avec une antenne ayant un gain maximal de dB [2.02]. Une antenne a gain plus eleve est strictement interdite par les reglements d'Industrie Canada. L'impedance d'antenne requise est de 50 ohms.

Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes: (Pour utilisation de dispositif module)

1) L'antenne doit être installée de telle sorte qu'une distance de 20 cm est respectée entre l'antenne et les utilisateurs, et
2) Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne,
3) Pour tous les produits vendus au Canada, OEM doit limiter les fréquences de fonctionnement CH1 à CH11 pour bandes de fréquences 2.4G grâce aux outils de microprogrammation fournis. OEM ne doit pas fournir d'outil ou d'informations à l'utilisateur final en ce qui concerne le changement de réglementation de domaine.

Tant que les 3 conditions ci-dessus sont remplies, des essais supplémentaires sur l'émetteur ne seront pas nécessaires. Toutefois, l'intégrateur OEM est toujours responsable des essais sur son produit final pour toutes exigences de conformité supplémentaires requis pour ce module installé.

NOTE IMPORTANTE:
Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considéré comme valide et l'ID IC ne peut pas être utilisé sur le produit final. Dans ces circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final (y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.

# Plaque signalétique du produit final

Ce module émetteur est autorisé uniquement pour une utilisation dans un dispositif où l'antenne peut être installée de telle sorte qu'une distance de 20cm peut être maintenue entre l'antenne et les utilisateurs. Le produit final doit être étiqueté dans un endroit visible avec l'inscription suivante: "Contient des IC: 9219A-WMDR129N.

Manuel d'information à l'utilisateur final

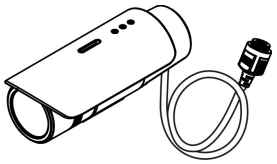
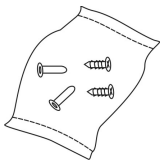
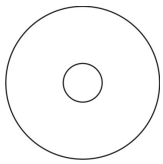
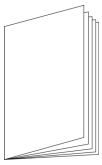
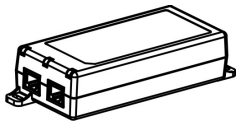
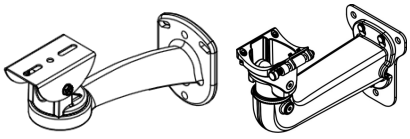
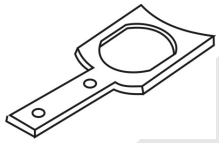
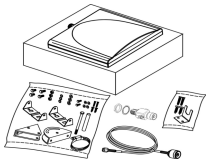
L'intégrateur OEM doit être conscient de ne pas fournir des informations à l'utilisateur final quant à la façon d'installer ou de supprimer ce module RF dans le manuel de l'utilisateur du produit final qui intègre ce module.

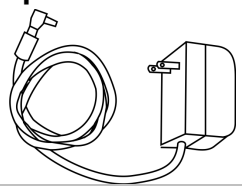
Le manuel de l'utilisateur final doit inclure toutes les informations réglementaires requises et avertissements comme indiqué dans ce manuel.

# Chapter 1 - Package Contents

Please check to make sure the product package contains all the accessories listed below.

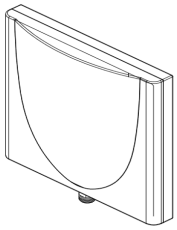
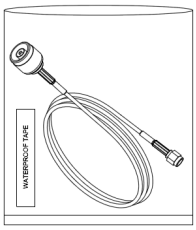
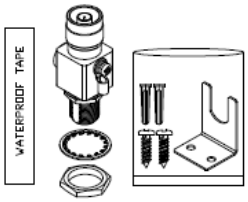
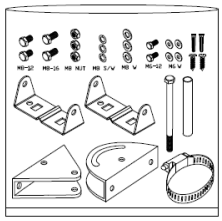
## A. Camera Package Contents

| | |
|---|---|
| **a. Network Camera (Outdoor Bullet V2 Series)**  | **b. Shielding Cover** |
| **c. Screw bag**  | **d. Product CD**  |
| **e. Warranty Card / Easy Installation Guide**  | **f. 2 Water Proof Connectors** |
| **g. Dry Bag** | **h. High Power POE (Optional)**  |
| **i. Bracket (Optional)**  | **j. Bracket Assembly Plate (Optional)**  |
| **k. Wi-Fi Dual Band Antenna package (Optional)**  | **l. 3G Antenna package (Optional)** |

| | |
|---|---|
| **m.Power adapter**<br>  | |

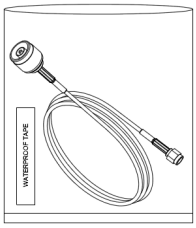
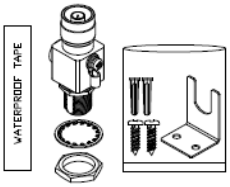
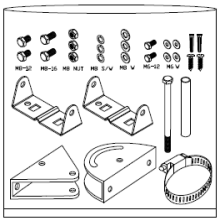
**B. Wi-Fi Antenna Package contents (Optional)**

**Refer to the installation guide included in the package when installing the Wi-Fi antenna**

| | |
|---|---|
| **a. Wi-Fi Dual Band Antenna**<br>  | **b. Extension Cable**<br>  |
| **c. Surge Arrestor Kit**<br>  | **d. Mount Kit**<br>  |

## C. Wi-Fi Antenna Package contents (Optional)

**Refer to the installation guide included in the package when installing the 3G antenna**

| | |
|---|---|
| **a. 3G Antenna** | **b. Extension Cable**   |
| **c. Surge Arrestor Kit**   | **d. Mount Kit**  |

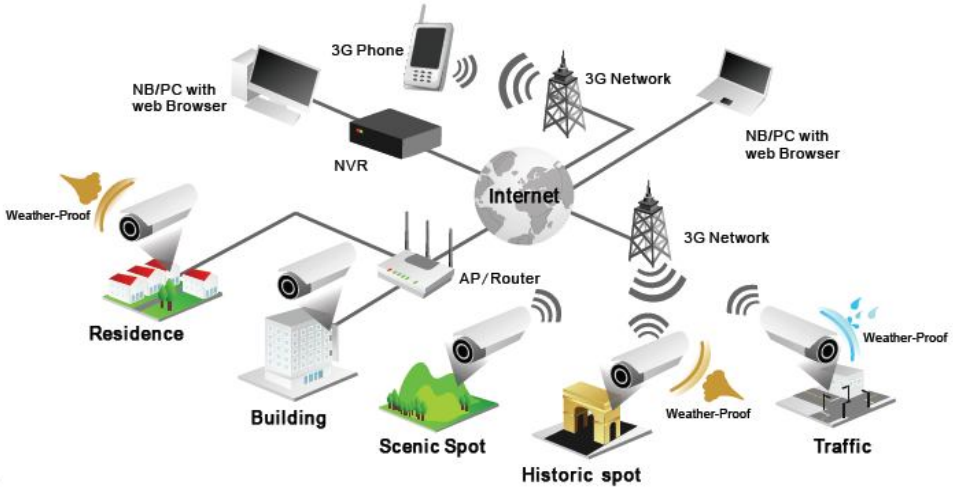
# Chapter 2 - Outdoor Bullet Network Camera Overview

The Brickcom Outdoor Bullet SERIES is an outdoor bullet network camera. It adopts a megapixel sensor which allows the camera to deliver extremely clear and detailed images that CCTV cameras cannot offer. To optimize use of the megapixel resolution, the Outdoor Bullet SERIES uses efficient H.264/ MJPEG/ MPEG-4 codec compression to deliver dual configurable video streams simultaneously at up to 30 fps. These features make this series the perfect outdoor camera for neighborhood, school campus, and parking lot surveillance.

The Outdoor Bullet SERIES has many user friendly features, such as the Smart Focus capability which allows users to configure settings for excellent image quality without difficult procedures. Support for Power over Ethernet enables the camera to use the same cable for power and data transmission, eliminating the need to install an external power supply.

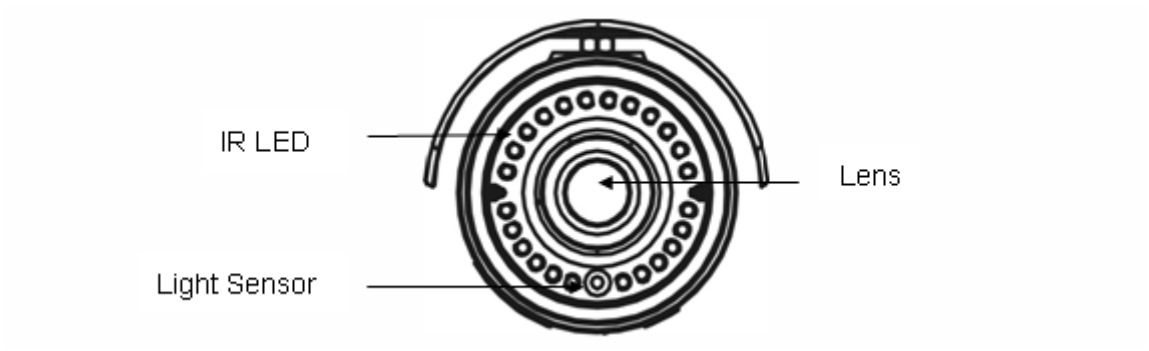
Installation for the WOB/GOB Series models is not restricted by location or landforms. The cameras offer various wireless options that make connecting to networks easier by adopting the technology of IEEE 802.11 a/b/g/n and 3G SIM module. The wireless Bullet Cameras can be set within any wireless or 3G signal coverage areas. Users do not have to worry about the data connection failing because each camera is equipped with a SD/SDHC memory card slot for local storage.

With an IP67 certified outdoor enclosure, the Outdoor Bullet SERIES is not only weather proof, but also dust and rust resistant. By utilizing a built-in industrial fan and heater, it can perform well in extreme environments.

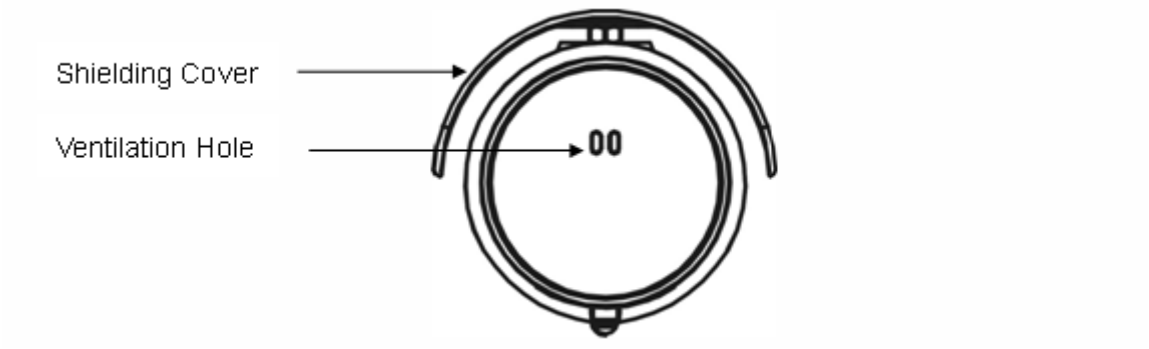


# Chapter 3 - Device Appearance Description

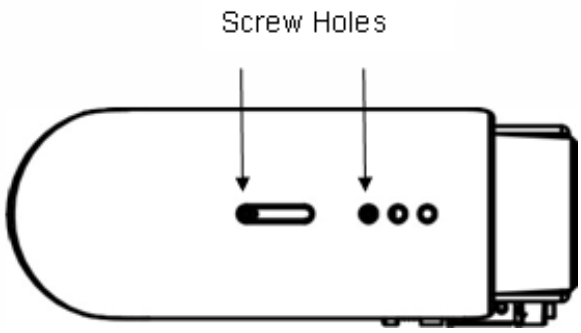
**< Front Panel >**



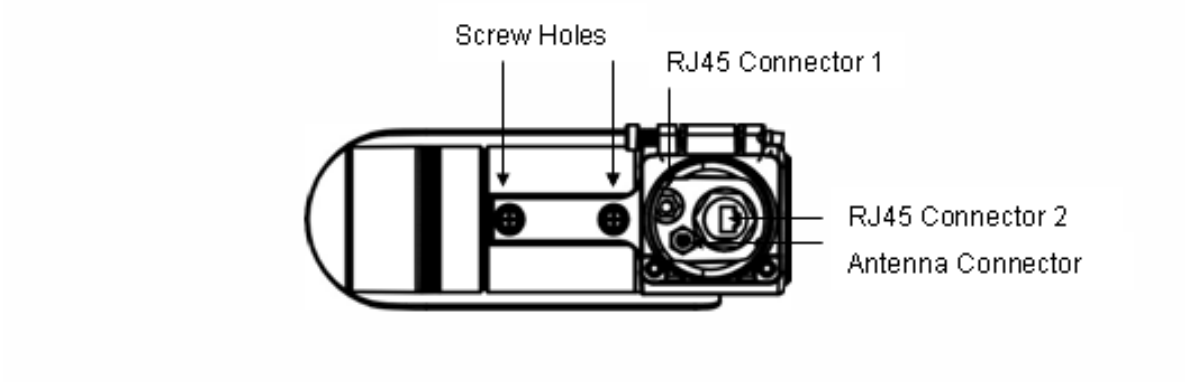

**< Rear Panel >**




**< Top >**

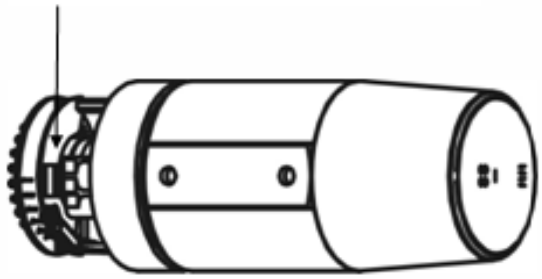


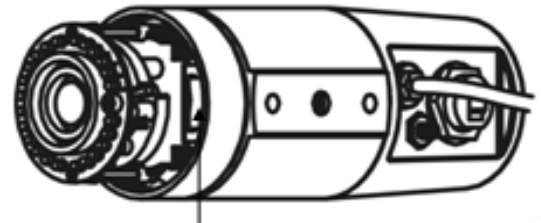
**< Bottom >**



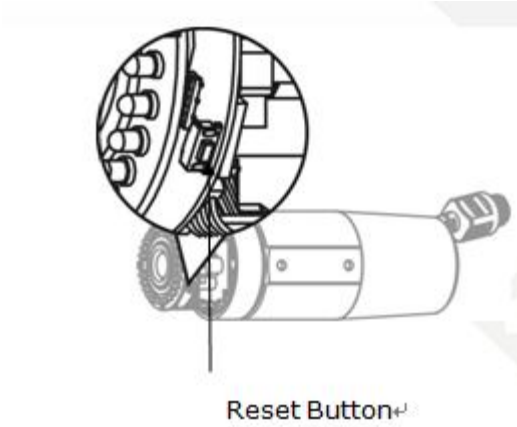

**< Side >**

Micro-SD/SDHC Card Slot





3G SIM Card Slot



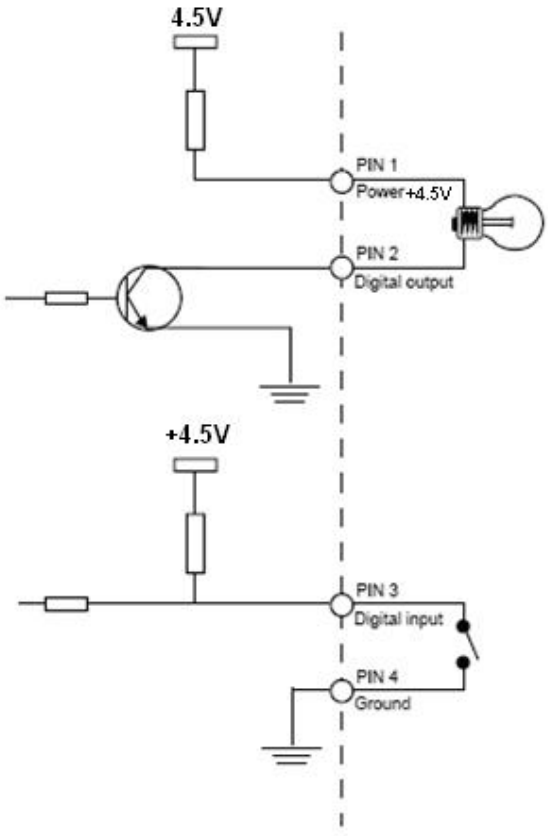
**< Extension I/O Terminal Block >**

The Network Camera provides an extension I/O terminal block which is used to connect the camera with external input/output devices. The pin definitions are listed as below.

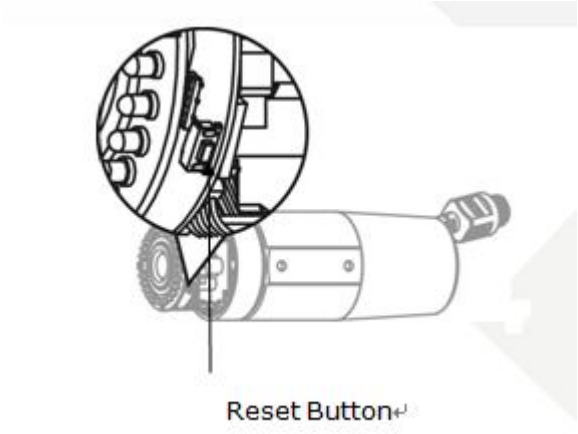
| Pin | Function |
|---|---|
| 1 | Power + 4.5V |
| 2 | Digital Output |
| 3 | Digital Input |
| 4 | Ground |

| Pin | Function |
|---|---|
| 1 | RS485+ |
| 2 | RS485- |
| 3 | AC24V |
| 4 | AC24V |

**< DI/DO Diagram >**



**< Hardware Reset >**




The Reset Button can be used to reboot the camera or restore it to factory default settings. If the camera experiences a problem, rebooting the camera may correct the problem. If the problem remains, please restore the camera to factory default settings and reinstall the software.

**To Reboot**

Press and hold the Reset Button for one second using a paper clip or thin object. Wait for the camera to reboot.

**To Restore**

Press and hold the Reset Button for ten seconds until the LED light turns off. When successful restored, the LED will be blue during normal operation.

**NOTE** - By restoring the camera, all settings will be restored to the factory default settings.

**Micro-SD/SDHC Card Capacity**

The network camera is compatible with Micro-SD/SDHC (Maximum 32GB) cards.

**(*) These are optional features. Please refer to the Product List for the full list of optional features that are available for this product.**

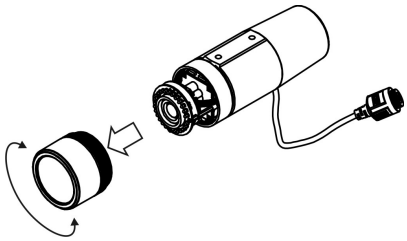
# Chapter 4 - Installation

## 4.1 Hardware Installation

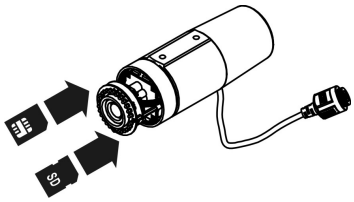
**WARNING - Do not mount the camera on a soft material. The camera may fall and be damaged.**

**A. Micro-SD/SDHC Card and 3G SIM Card Installation**

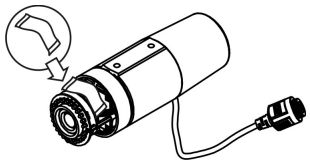
a. Remove the Lens cover from the Bullet Camera.



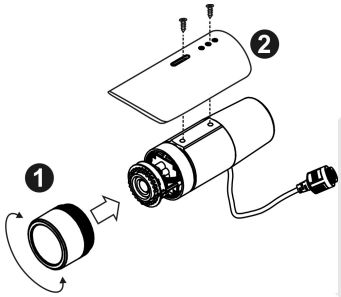
b. Inset the Micro SD/SDHC card and 3G SIM card(*) into their respective slots.




c. Place a dry bag onto the camera device.

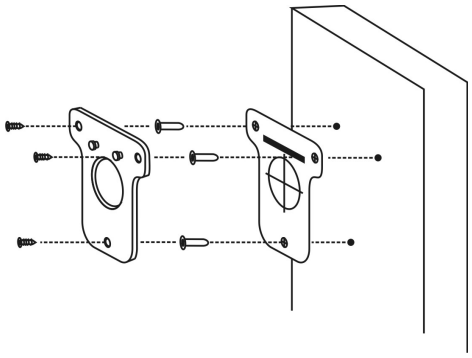


d. Reattach the Lens cover and secure the cover to the top of the camera device using two screws.

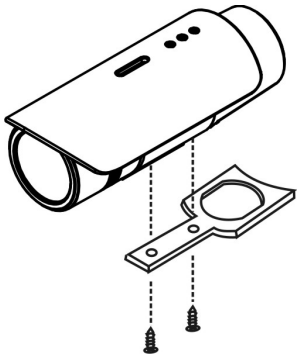


## B. Wall Installation Using the Optional Bracket

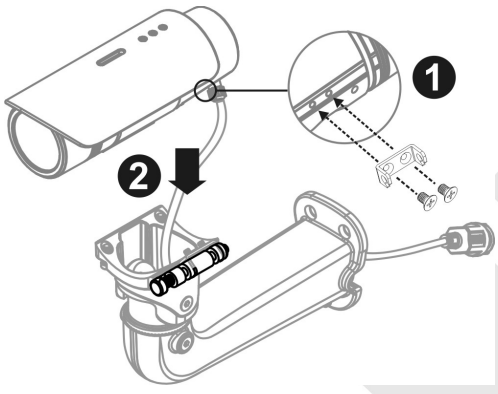
a. Using the Bracket plate as a guide, drill three holes into the wall and hammer the supplied plastic anchors into the three holes. Use a screwdriver and the supplied screws to secure the plate to the wall.



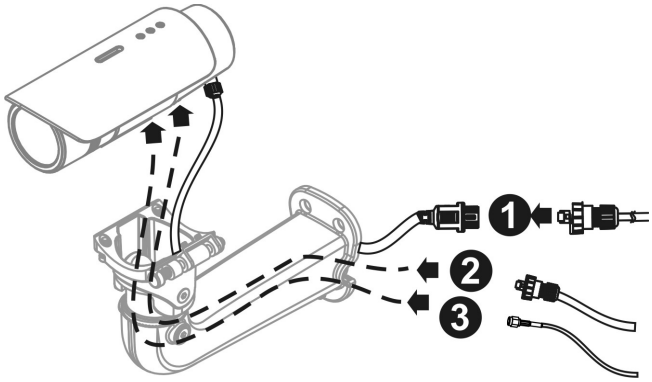
b. Attach the Bracket Assembly Plate to the bottom of the camera using two screws.



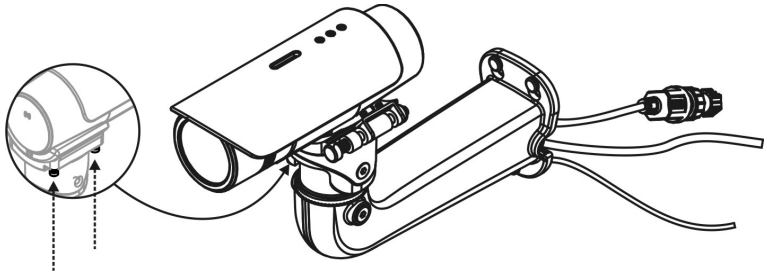
c. (1) Use the two supplied screws to secure the bracket to the side of the camera. (2) Push back the spring on the mortise lock and hook the camera and attached bracket onto the groove of the wall mount bracket as shown in the diagram.



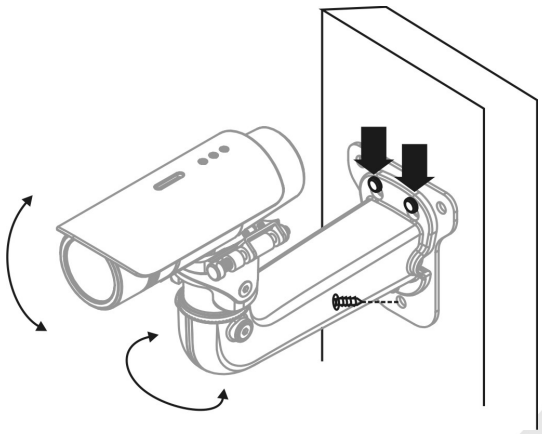
d. Connect (1) the POE cable; (2) DIDO, Audio In/Out, RS485 cable; and (3) Antenna cable with the camera. Refer to step 3 for more details installation information.



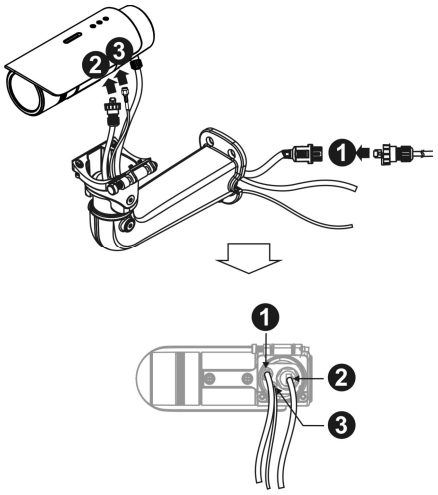

e. Secure the two screws on the wall mount bracket.



f. Place the wall mount bracket on the plate and attach it using the supplied screws. Adjust the angle of the wall mount bracket towards the area to be monitored.



## C. DIDO, Audio In/Out, RS485, and Antenna Connection




### a. PoE Connection

For the Power over Ethernet connection, construct the PoE cable using the pin definitions of the RJ45 connector below and refer to step 5 for instructions on how to install the Water Proof Connector. Once the PoE cable has been constructed using the waterproof connector, pass the RJ-45 cable from the camera through the bracket and connect it to the PoE cable.

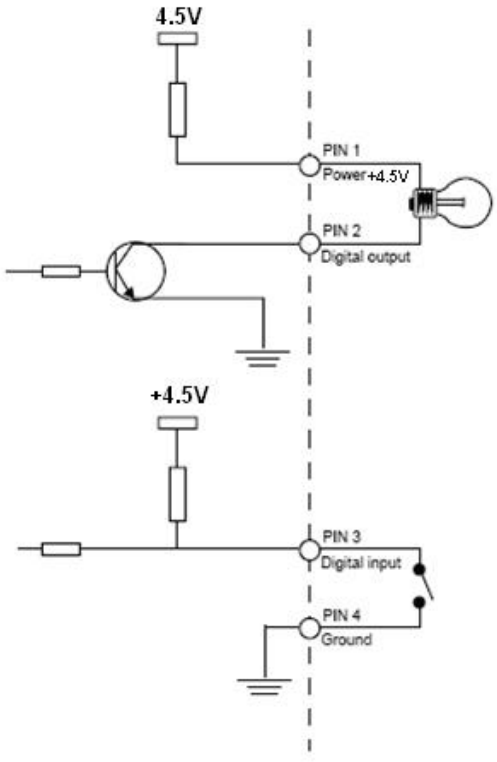
| RJ45 Connector 1 | |
|---|---|
| Pin No. | Function |
| Pin 1 | Transmit Out+ (Tx+) |
| Pin 2 | Transmit Out- (Tx-) |
| Pin 3 | Receive In+ (Rx+) |
| Pin 4 | DC 48V |
| Pin 5 | DC 48V |
| Pin 6 | Receive In- (Rx-) |
| Pin 7 | 48V_GND |
| Pin 8 | 48V_GND |

### b. DIDO, Audio In/Out, RS485 Cable Connection

For the DIDO, Audio In/Out and RS485 cable connection, construct an Ethernet cable using the pin definitions of the RJ-45 connector below and refer to step 4 for instructions on how to install the Water Proof Connector. Once the Ethernet cable has been constructed using the waterproof connector, pass the cable through the bracket and connect it to the RJ-45 connector at the bottom of the camera.

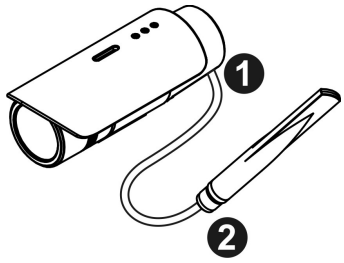
| RJ45 Connector 2 | |
|---|---|
| Pin No. | Function |
| Pin 1 | Power +4.5V |
| Pin 2 | Digital Output |
| Pin 3 | Digital Input |
| Pin 4 | Ground |
| Pin 5 | RS-485- |
| Pin 6 | RS-485+ |
| Pin 7 | Audio-in |
| Pin 8 | Audio-out |

**DIDO Diagram**



### c. WiFi or 3G Antenna Extension Cable Connection

Pass the Antenna extension cable (1) through and bracket and connect it to the Antenna connector (2) at the bottom of the camera.




### d. Water Proof Connector

Refer to the installation guide included in the package when installing the Water Proof connector.

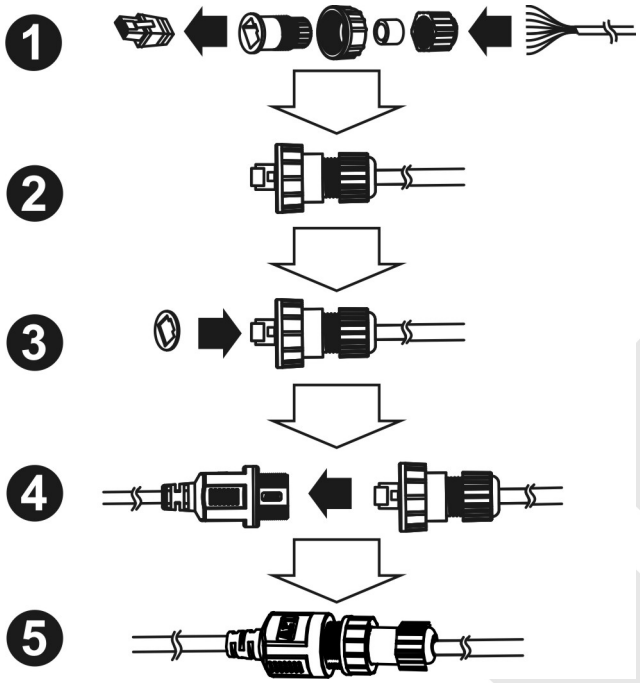
i. Insert the stripped cable through the sealing nut and the housing. Clamp the cable with an RJ45 plug.

ii. Push the RJ45 plug into the housing and secure the sealing nut tightly.

iii. Attach the gasket to the front of the housing.

iv. Connect the Ethernet cable to the RJ45 cable.

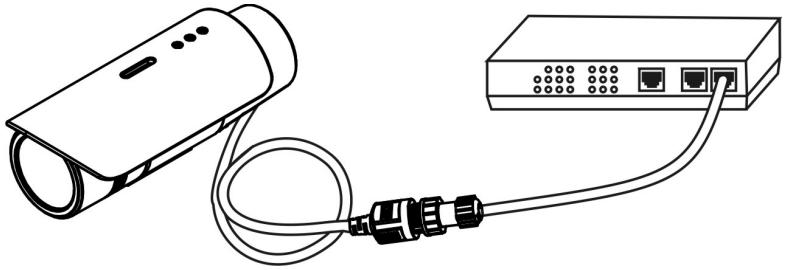
v. Secure the connectors tightly.



## 4.2 Camera Connection

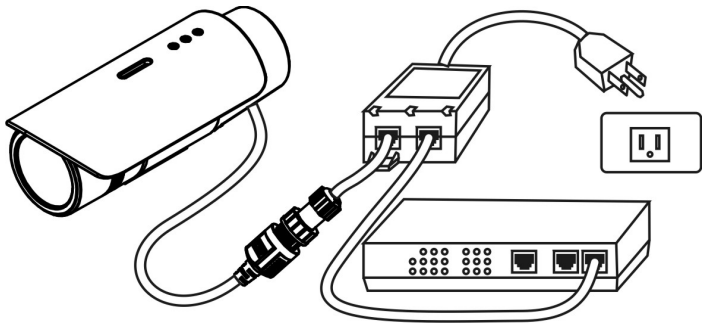
The Outdoor Bullet Series is PoE compliant, so there are two options for connecting the camera to a power and Ethernet source. The camera can either be connected to a PoE-enabled switch or a non-PoE switch.

**a. If using a PoE-enabled switch:**



i. Use a single Ethernet cable to connect the camera to the PoE-enabled switch.

**b. If using a non-PoE switch:**

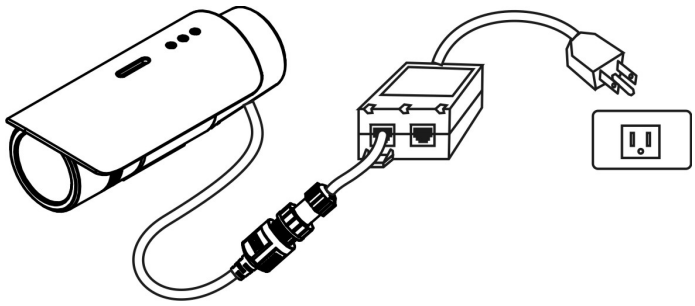


i. Use a standard RJ-45 cable to connect the camera to a PoE Injector.

ii. Use a standard RJ-45 cable to connect the PoE Injector to the non-PoE switch.

iii. Use a standard power cable to connect the PoE Injector to a power outlet.

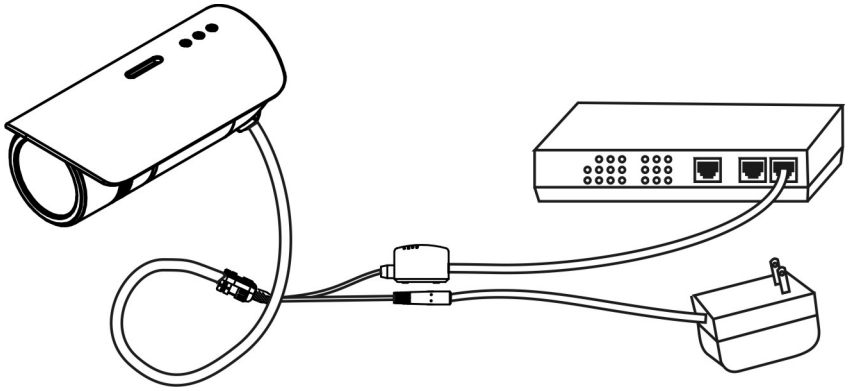
**c. If using a PoE injector as power input (For GOB/WOB Series):**



i. Use a standard RJ-45 cable to connect the camera to a PoE Injector.

ii. Use a standard power cable to connect the PoE Injector to a power outlet.

**d. If using the DC12V for the power Supply. The RJ45 cable will be data transmission.** (This only apply in OB-500A Series /OB-300N Series)



## 4.3 System Requirements

**Operating System:**
Microsoft Windows XP Home Edition SP2
Microsoft Windows XP Professional SP2

**Computer:**
IBM PC/AT Compatible

**CPU:**
Pentium 3GHz or faster

**Memory:**
1024 MB or more

**Monitor:**
1024 x 768 pixels or more, 24-bit True color or better

**Network Interface:**
10/100Mbps Network interface card must be installed

**Web Browser:**
Microsoft Internet Explorer 6.0 SP2 or higher

**Adobe Reader:**
Adobe Reader 8.0 or higher

**Audio:**
The audio function will not work if a sound card is not installed in the PC. Audio may be interrupted depending on network traffic.

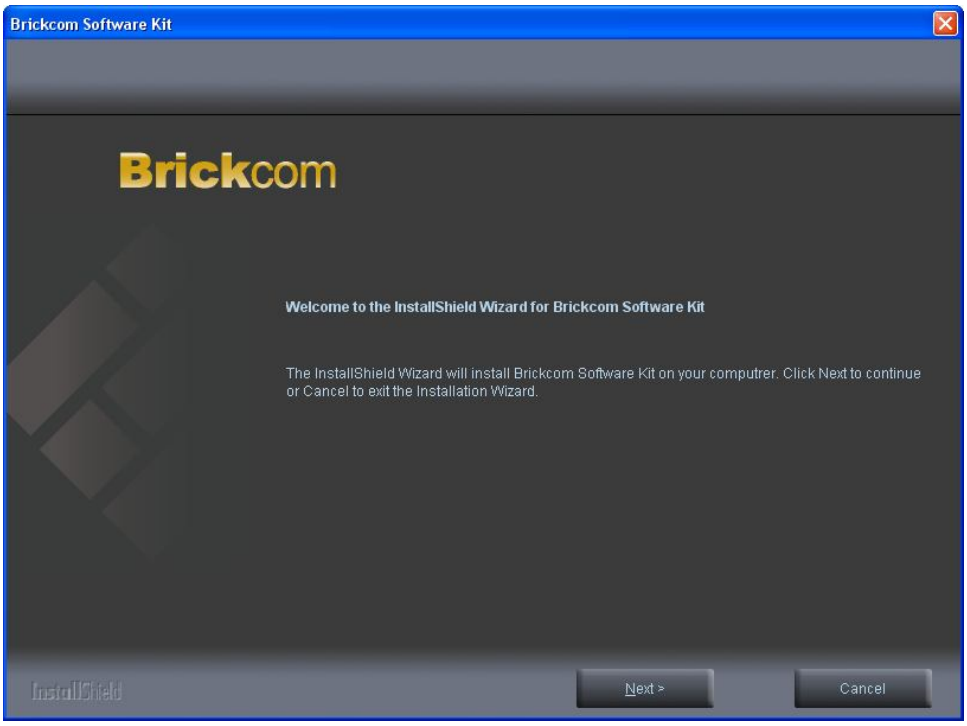
## 4.4 Software Installation

In this manual, "User" refers to whoever has access to the Network Camera, and "Administrator" refers to the person who can configure the camera and grant user access to the camera.

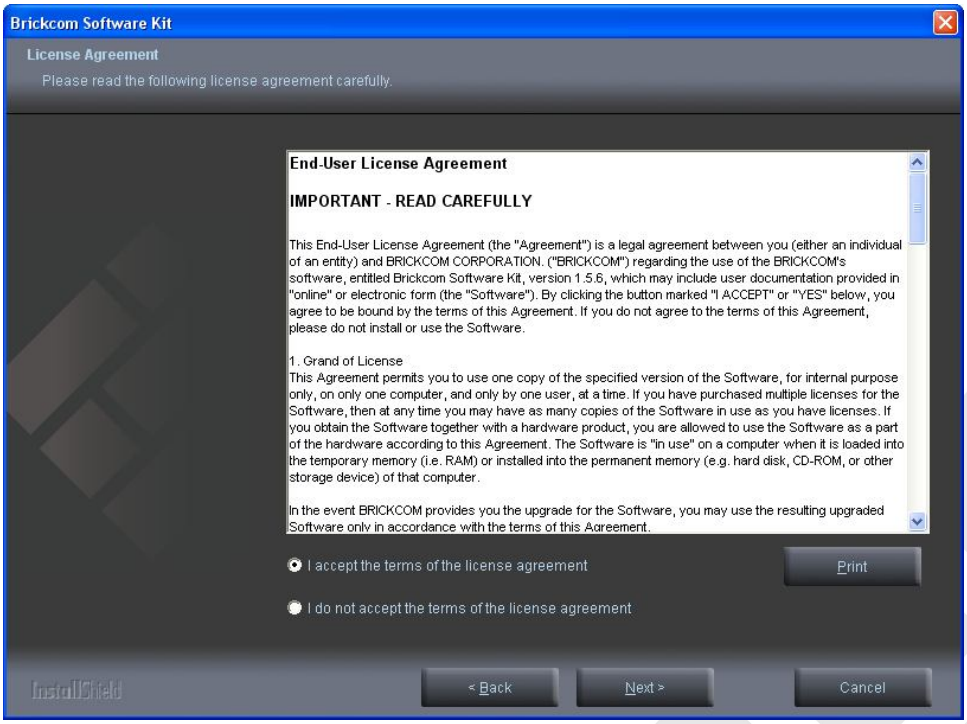
After checking the hardware connection, run the Installation Wizard program included on the product's CDROM to automatically search the intranet for the camera. There may be many cameras on the local network. Differentiate the cameras using the serial number which is printed on the labels on the carton and the bottom of the camera.

A. Insert the Installation CD into the CD-ROM driver. Run Auto-Run Tool directly from the CD-ROM to start the installation. When installing the Brickcom software kit for the first time, select a desired language for the interface. The available languages are listed in the scroll box. Click <**Install**> and follow the steps to install the EasyConfig wizard on the desired computer.

B. In the Install Shield Wizard dialog box, click <Next> to continue.


Brickcom Software Kit
Brickcom
Welcome to the InstallShield Wizard for Brickcom Software Kit
The InstallShield Wizard will install Brickcom Software Kit on your computrer. Click Next to continue or Cancel to exit the Installation Wizard.
InstallShield
Next >
Cancel

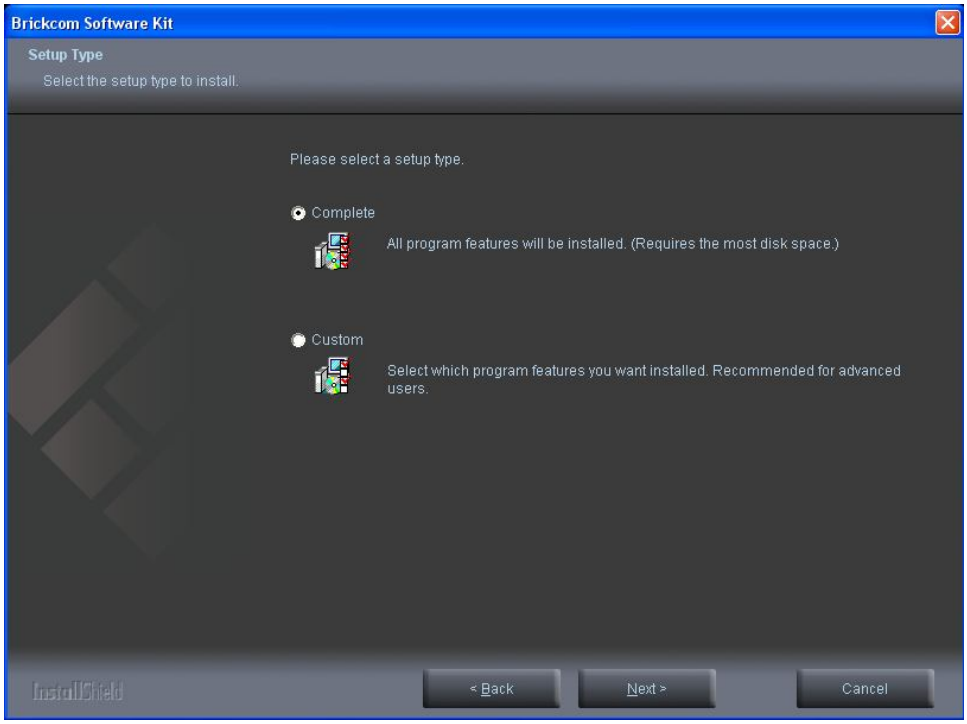
C. Read the End-User License Agreement and check the option “I accept the terms of the license agreement”. Click <Next> to continue.


Brickcom Software Kit
License Agreement
Please read the following license agreement carefully.
End-User License Agreement
IMPORTANT - READ CAREFULLY
This End-User License Agreement (the "Agreement") is a legal agreement between you (either an individual of an entity) and BRICKCOM CORPORATION. ("BRICKCOM") regarding the use of the BRICKCOM's software, entitled Brickcom Software Kit, version 1.5.6, which may include user documentation provided in "online" or electronic form (the "Software"). By clicking the button marked "I ACCEPT" or "YES" below, you agree to be bound by the terms of this Agreement. If you do not agree to the terms of this Agreement, please do not install or use the Software.
1. Grand of License
This Agreement permits you to use one copy of the specified version of the Software, for internal purpose only, on only one computer, and only by one user, at a time. If you have purchased multiple licenses for the Software, then at any time you may have as many copies of the Software in use as you have licenses. If you obtain the Software together with a hardware product, you are allowed to use the Software as a part of the hardware according to this Agreement. The Software is "in use" on a computer when it is loaded into the temporary memory (i.e. RAM) or installed into the permanent memory (e.g. hard disk, CD-ROM, or other storage device) of that computer.
In the event BRICKCOM provides you the upgrade for the Software, you may use the resulting upgraded Software only in accordance with the terms of this Agreement.
I accept the terms of the license agreement
I do not accept the terms of the license agreement
Print
InstallShield
< Back
Next >
Cancel

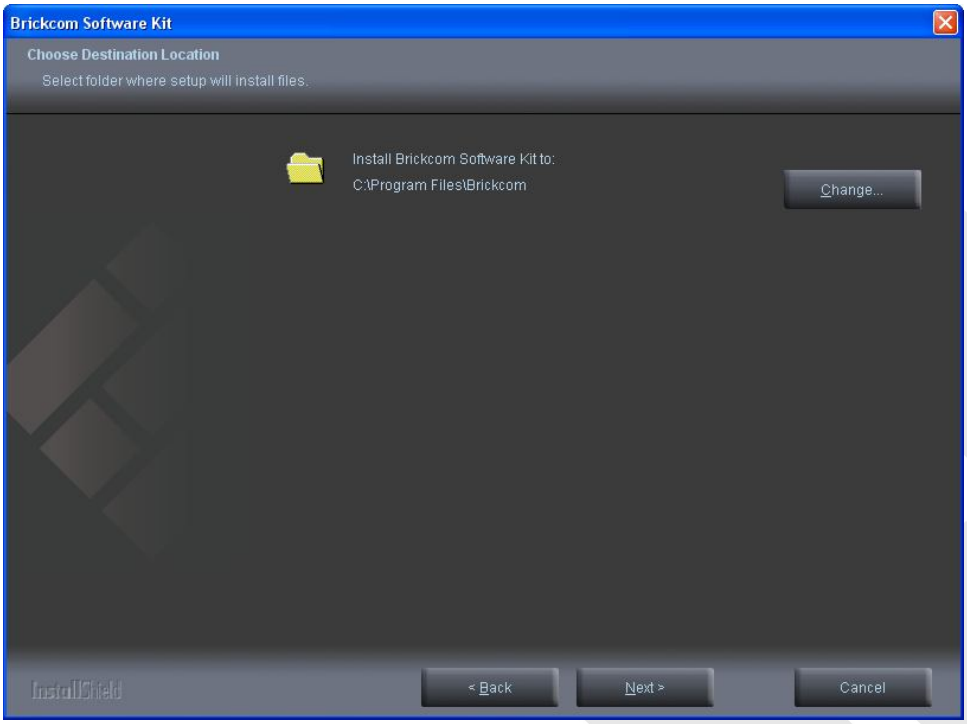
D. Select either “Complete” setup or “Custom” setup to install the system.

**a. If COMPLETE SETUP is selected:**

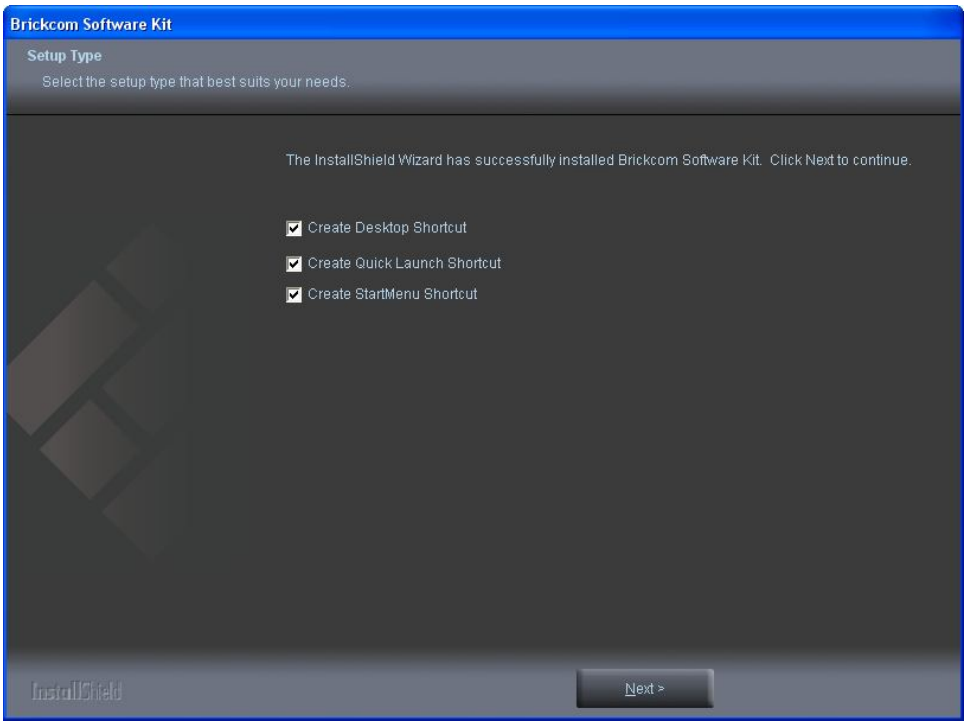
i. **All program features** will be installed into the default directory. Check the option “**Complete**” and then click <Next>.


Brickcom Software Kit
Setup Type
Select the setup type to install.
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Select which program features you want installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

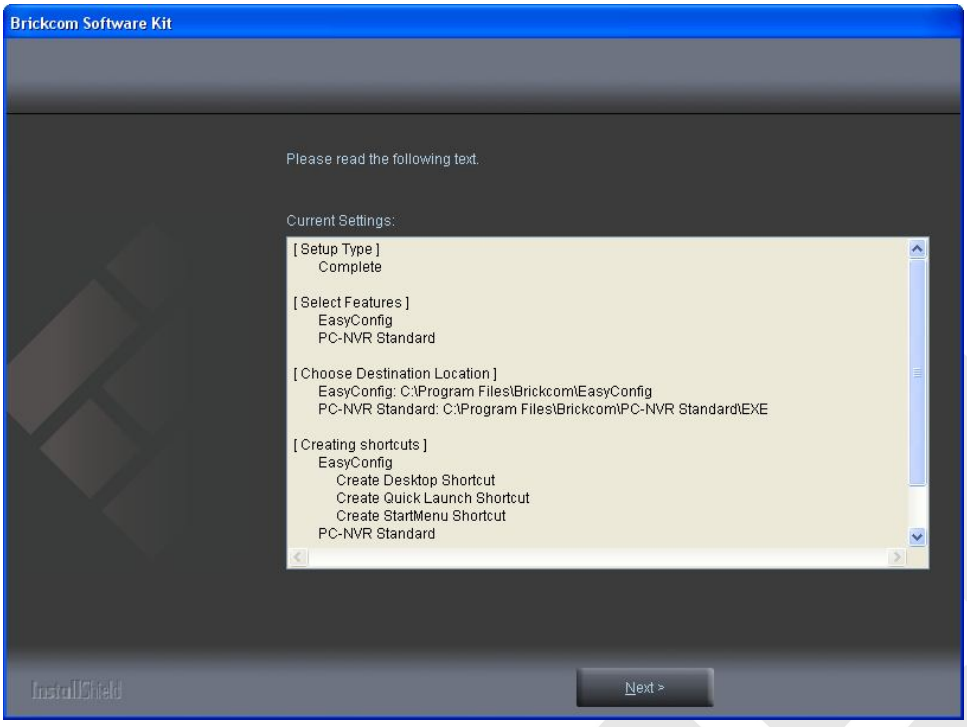
ii. Click <Change> to change the appointed folder where installation and program files will be stored. Click <Next> to continue.



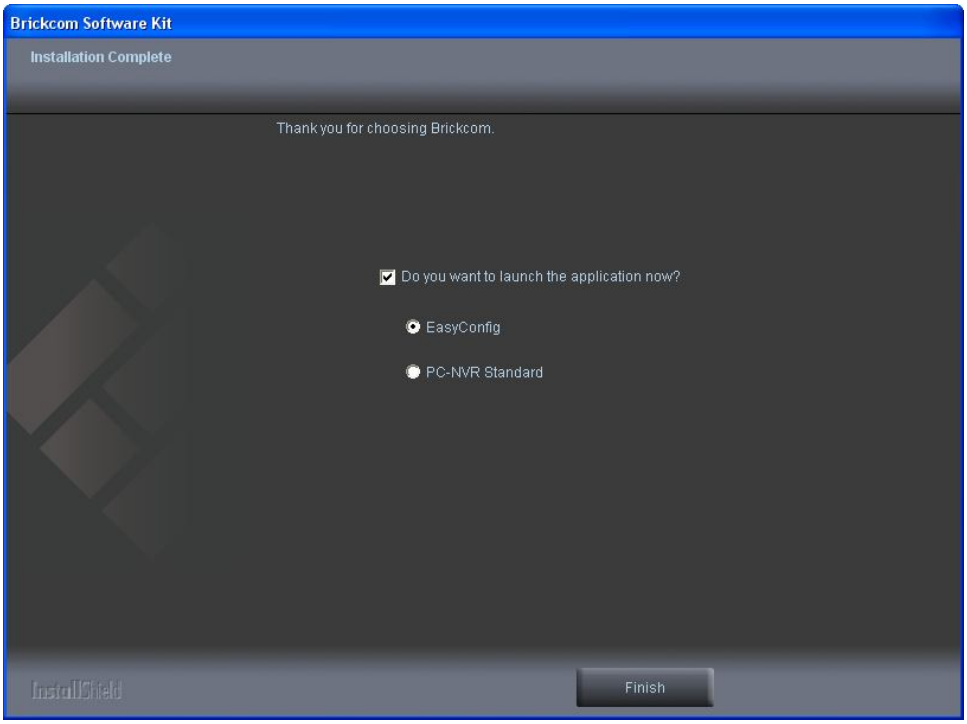
iii. Select to create shortcuts. Click <Next> to continue.


Brickcom Software Kit
Setup Type
Select the setup type that best suits your needs.
The InstallShield Wizard has successfully installed Brickcom Software Kit. Click Next to continue.
Create Desktop Shortcut
Create Quick Launch Shortcut
Create StartMenu Shortcut
InstallShield
Next >

iv. The installation information will be displayed. Click <Next> to continue.



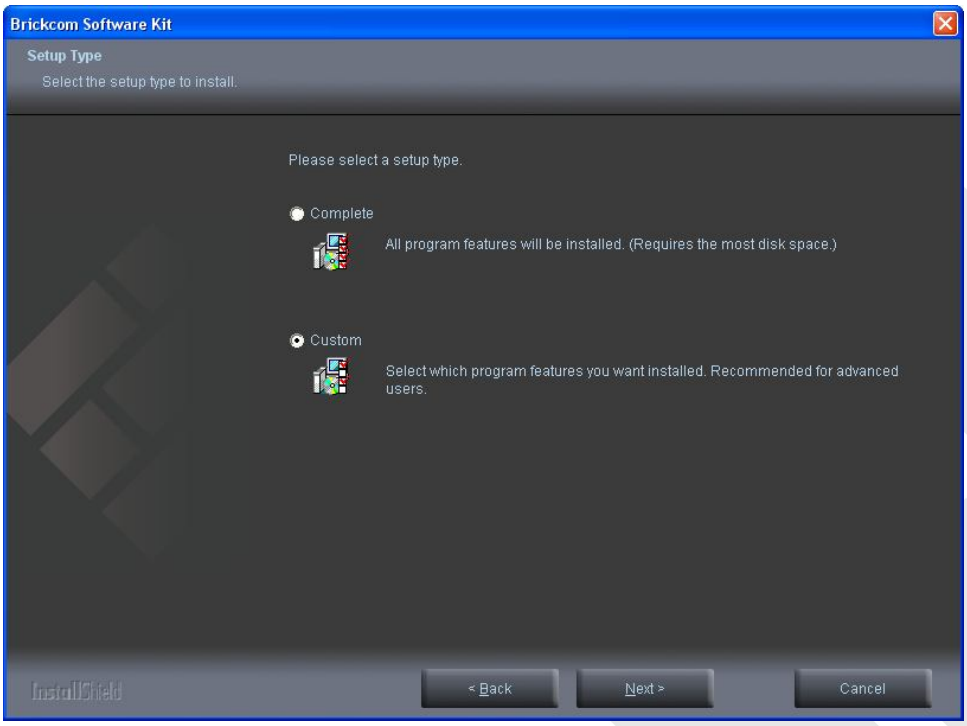
v. To launch EasyConfig or PC-NVR Standard, select the application and click <Finish>. When launching the PC-NVR program, please refer to the PC-NVR user manual.



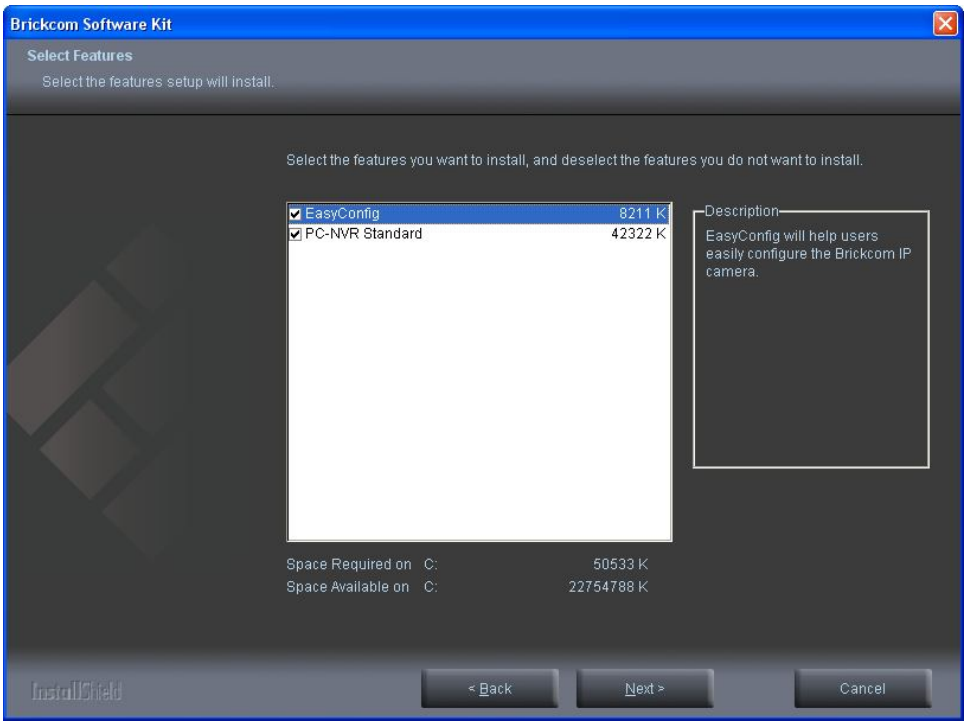

**b. If CUSTOM SETUP is selected:**

i. This option is recommended for advanced users. It can be used to install the system to a preferred directory or to select specific program feature(s).

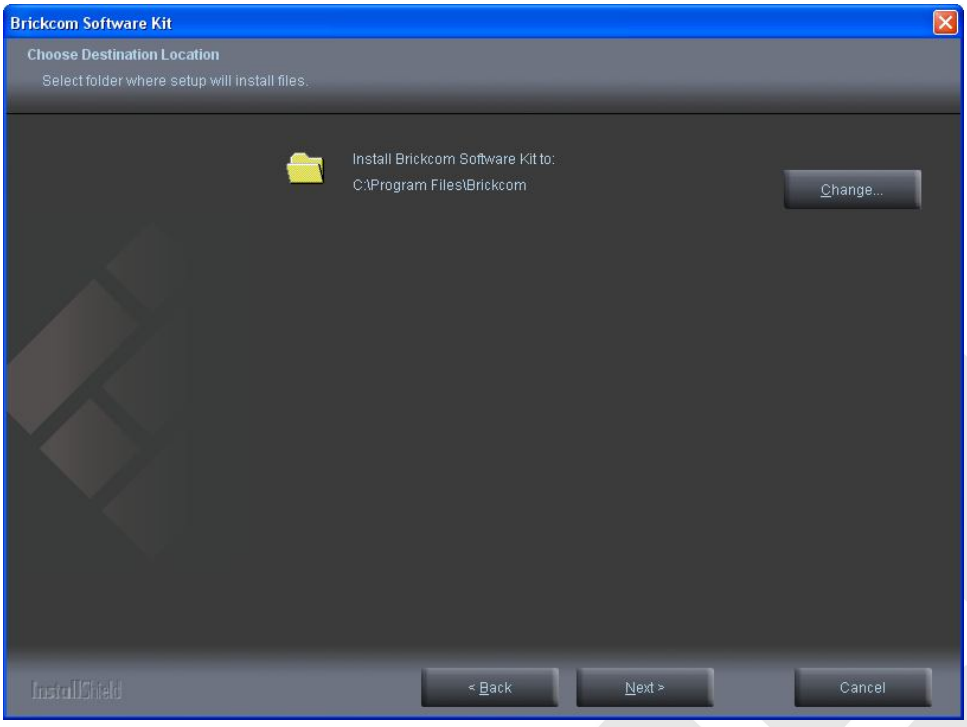
ii. Check the option “Custom”, and then click <Next>.


Brickcom Software Kit
Setup Type
Select the setup type to install.
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Select which program features you want installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

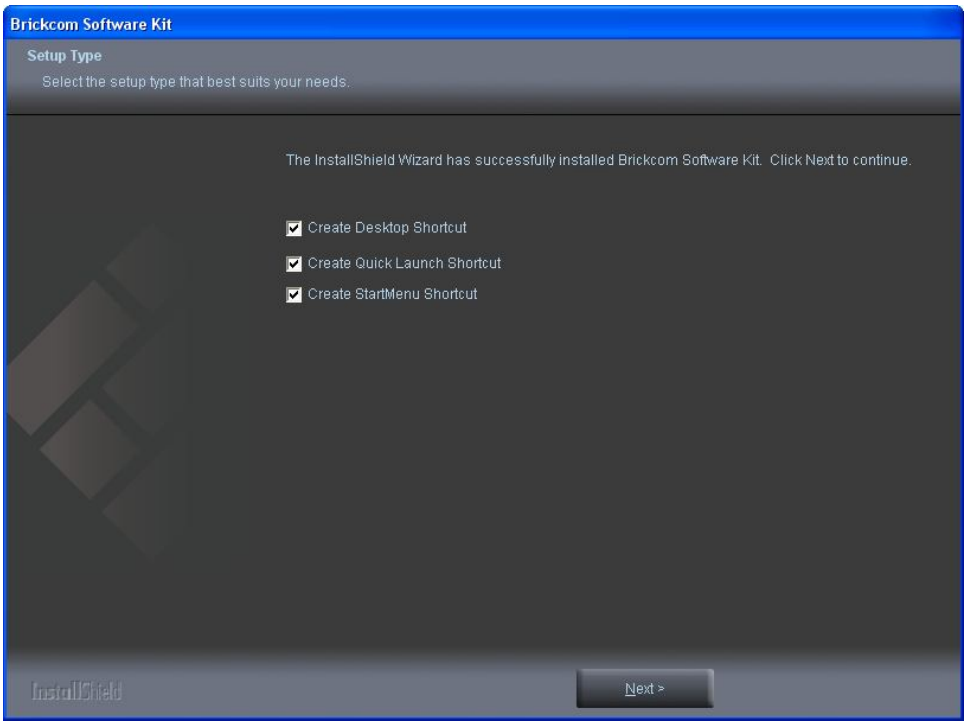
iii. Select the features to install. Click <Next> to continue.


Brickcom Software Kit
Select Features
Select the features setup will install.
Select the features you want to install, and deselect the features you do not want to install.
EasyConfig 8211 K
PC-NVR Standard 42322 K
Description
EasyConfig will help users easily configure the Brickcom IP camera.
Space Required on C: 50533 K
Space Available on C: 22754788 K
InstallShield
< Back
Next >
Cancel

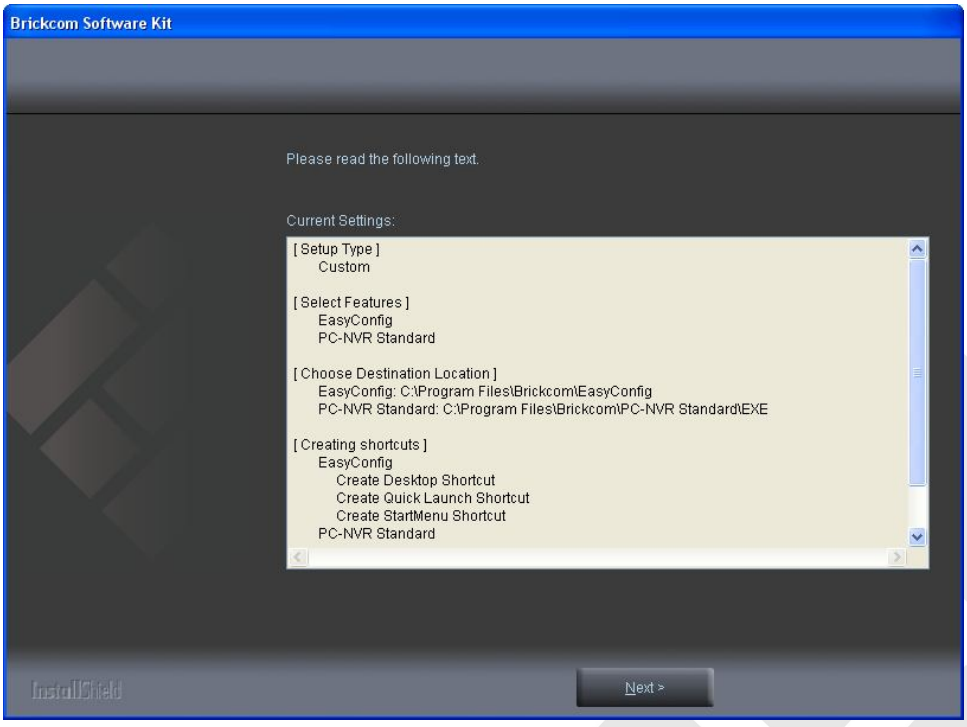
iv. Click <Change> to change the appointed folder where installation and program files will be stored. Click <Next> to continue.



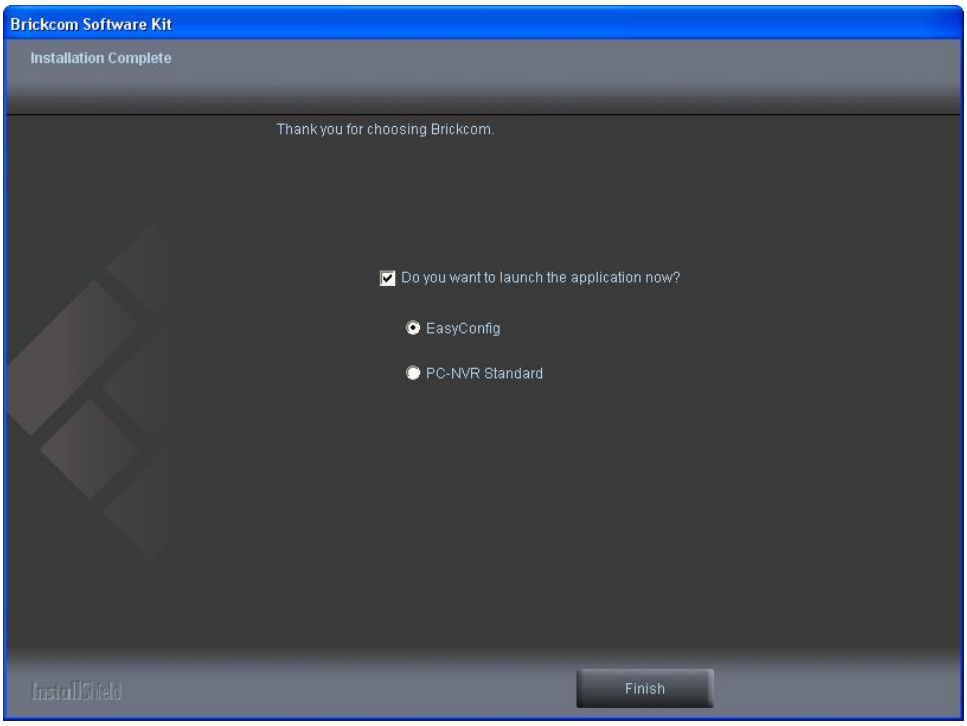
v. Select programs to create shortcuts. Click <Next> to continue.


Brickcom Software Kit
Setup Type
Select the setup type that best suits your needs.
The InstallShield Wizard has successfully installed Brickcom Software Kit. Click Next to continue.
Create Desktop Shortcut
Create Quick Launch Shortcut
Create StartMenu Shortcut
InstallShield
Next >

vi. The installation information will be displayed. Click <Next> to continue.



E. To launch EasyConfig or PC-NVR Standard, select the application and click <Finish>. When launching the PC-NVR program, please refer to the PC-NVR user manual.



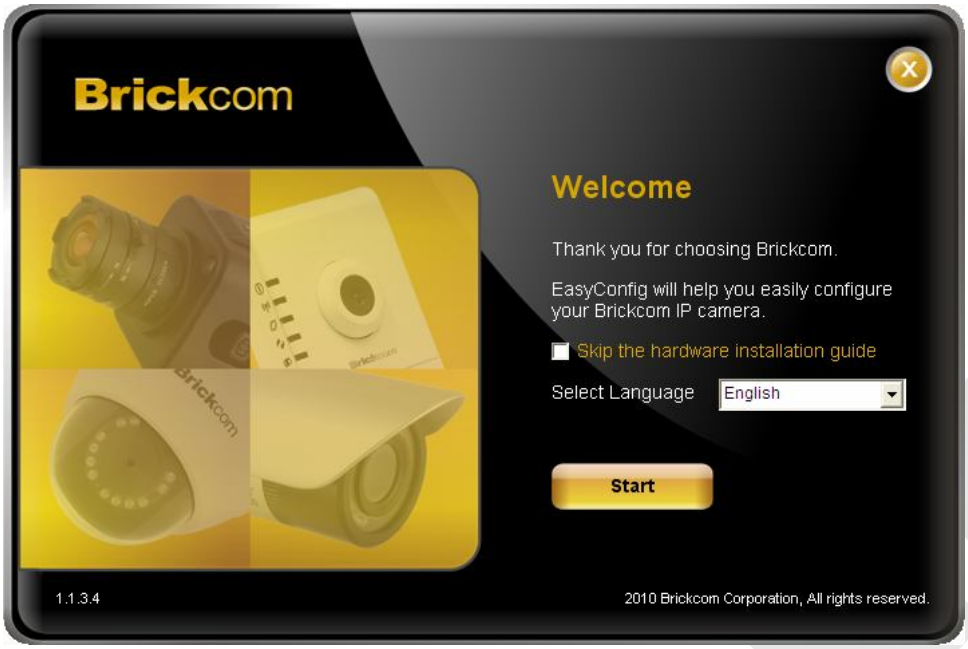
### 4.4.1 EasyConfig

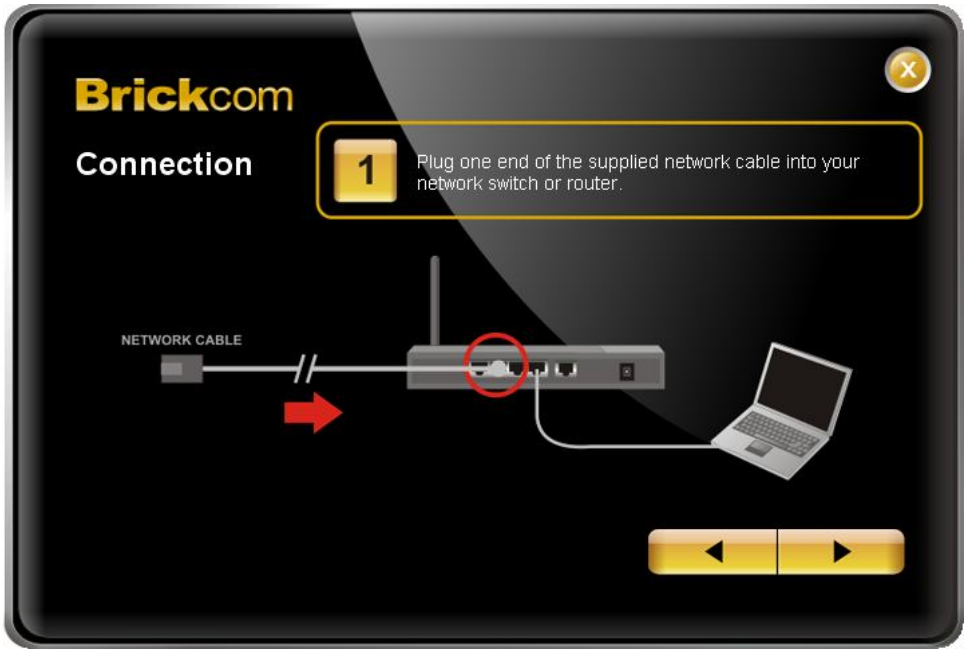
To launch EasyConfig, select EasyConfig from the start menu. If Complete Setup type was used in the software installation, an EasyConfig icon was installed on the desktop. Double click to open the icon.

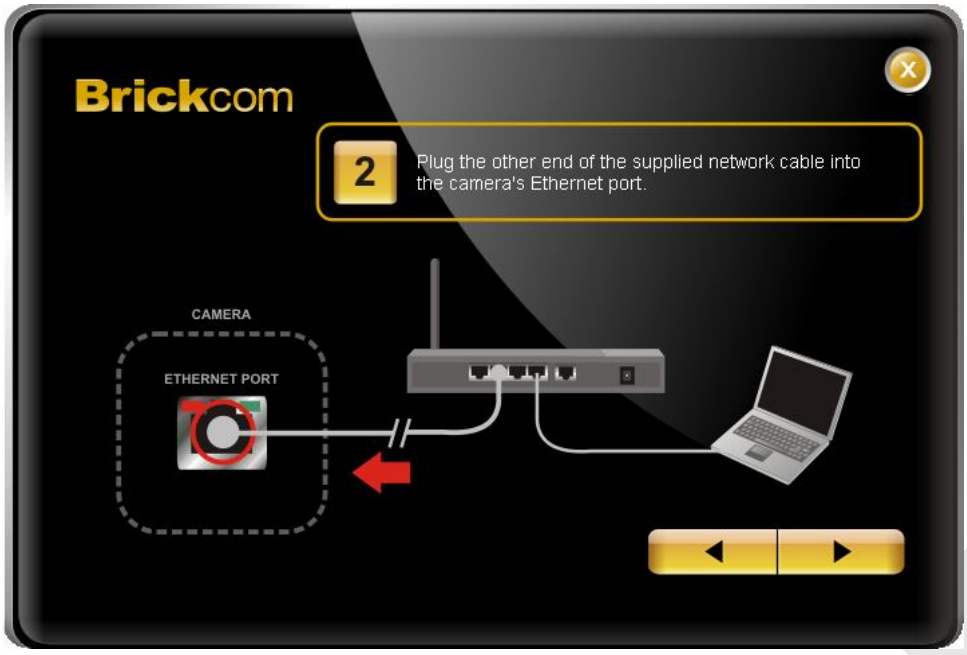
If Custom Setup type was used in the software installation and an EasyConfig icon was not installed on the desktop, the program will be installed under C:\Program Files\Brickcom\EasyConfig unless the program was saved to a preferred directory.

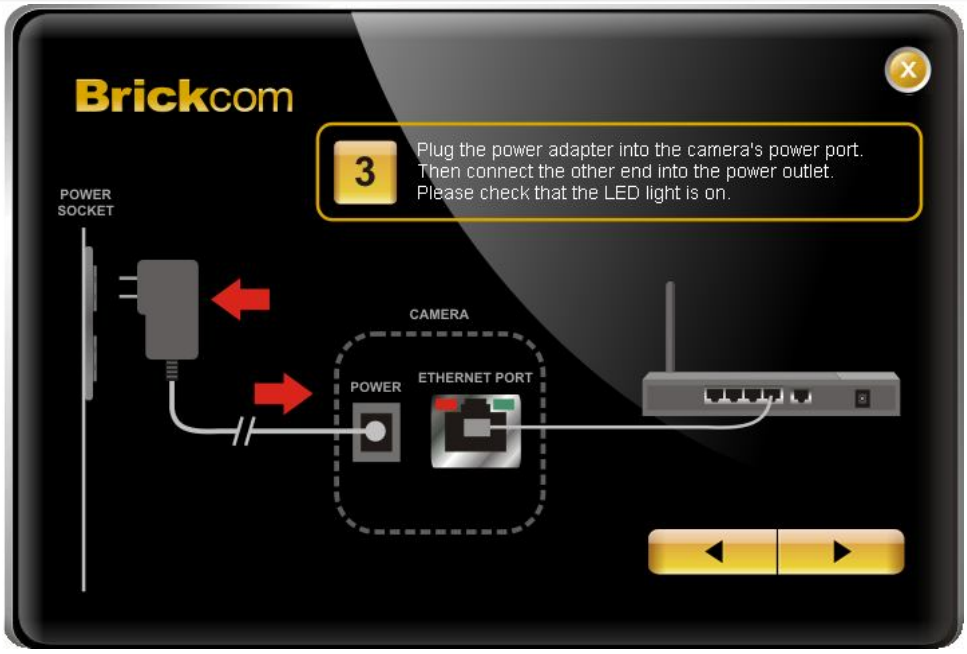
A. Click <Start> to continue. The program will automatically search for the camera in the intranet.

**NOTE** - Check “Skip the hardware installation guide” to skip checking the hardware connection. To check the hardware installation settings, do not check the option box.

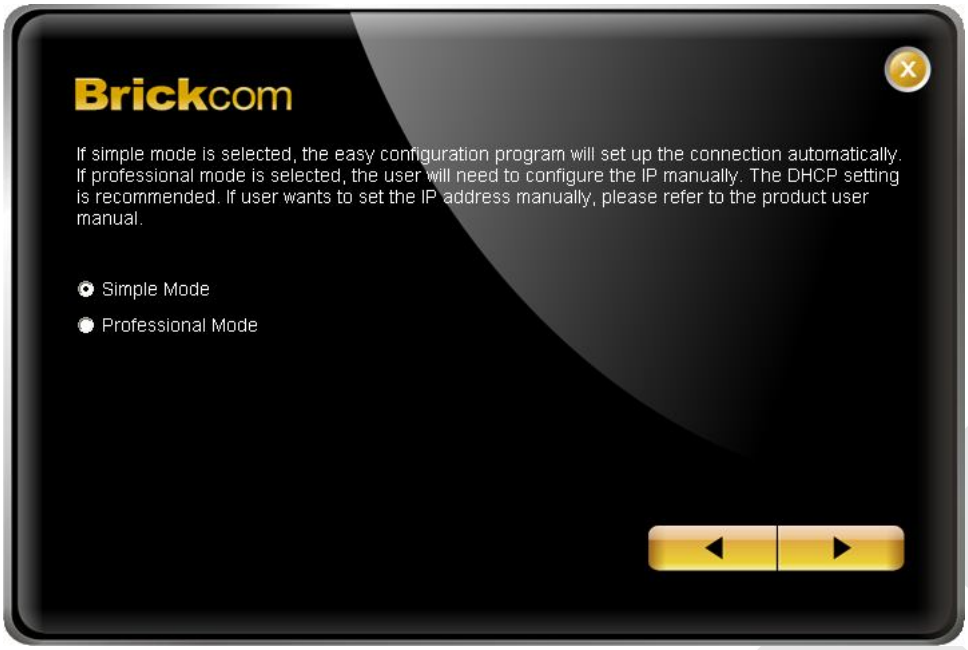



Brickcom
Connection
1
Plug one end of the supplied network cable into your network switch or router.
NETWORK CABLE


Brickcom
2
Plug the other end of the supplied network cable into the camera's Ethernet port.
CAMERA
ETHERNET PORT




B. Select either “Simple Mode” or “Professional Mode” to obtain the camera’s IP settings. If “Simple Mode” is selected, EasyConfig will set up the connection automatically. If “Professional Mode” is selected, the user will need to configure the IP settings manually.


Brickcom
If simple mode is selected, the easy configuration program will set up the connection automatically. If professional mode is selected, the user will need to configure the IP manually. The DHCP setting is recommended. If user wants to set the IP address manually, please refer to the product user manual.
Simple Mode
Professional Mode

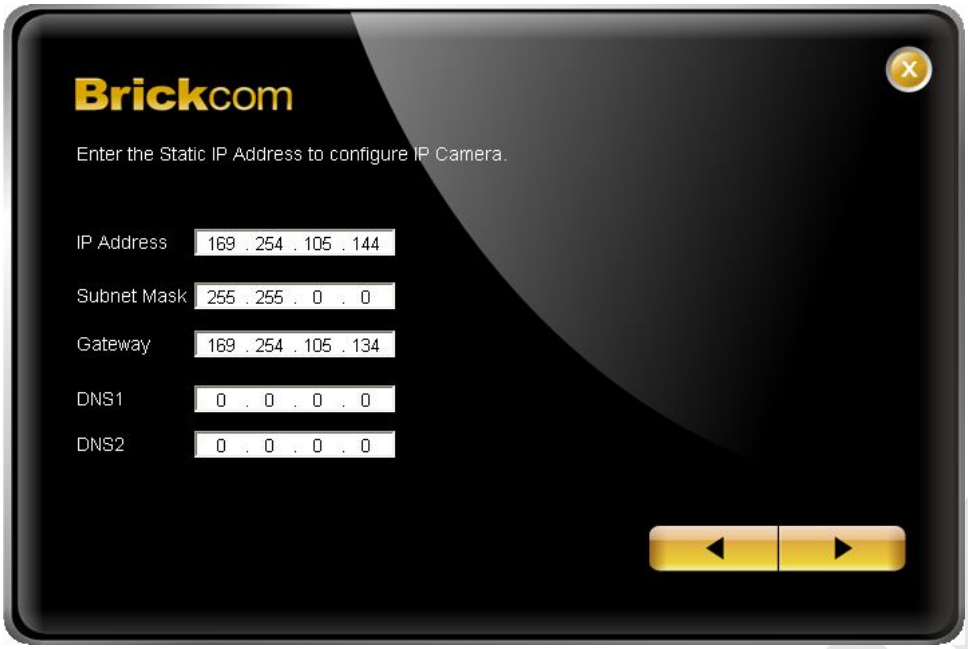
C. There may be many cameras in the local network. Differentiate the cameras using their UPnP name. Double click on the camera from the survey list to connect.

D. For configuring the IP address settings, select either <Settings remain the same>, <Automatically obtain an IP Address (DHCP)> or <Set IP Address configuration manually>. The DHCP setting is recommended.

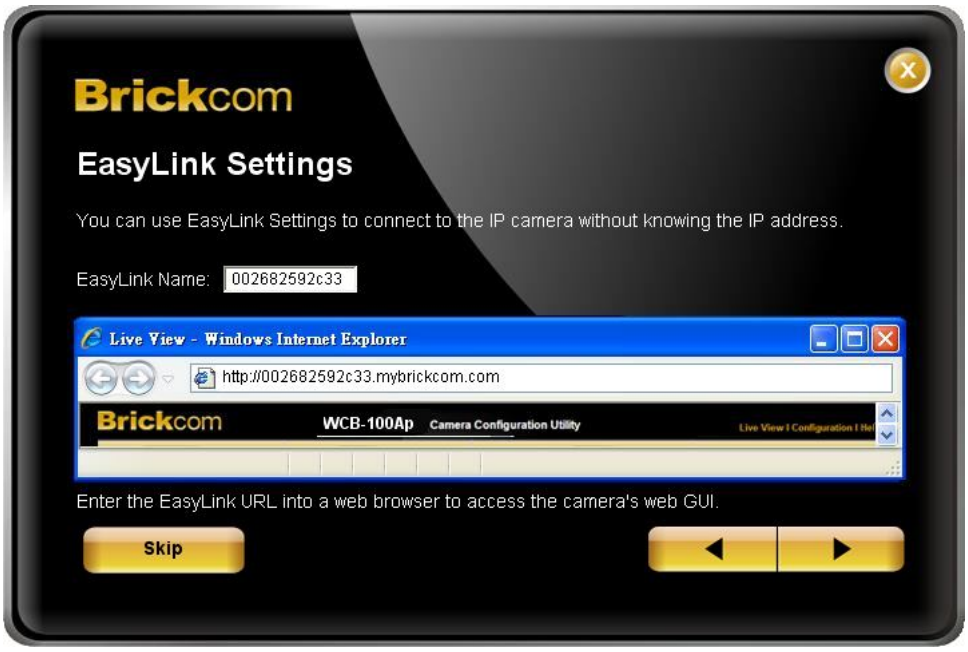
Brickcom
Select the IP Address settings.
Settings remain the same
Automatically obtain an IP Address (DHCP)
Set IP Address configuration manually

If <Set IP Address configuration manually> is selected, the following pages will be displayed.

Brickcom
Select the IP Address settings.
Settings remain the same
Automatically obtain an IP Address (DHCP)
Set IP Address configuration manually


Brickcom
Enter the Static IP Address to configure IP Camera.
IP Address 169 . 254 . 105 . 144
Subnet Mask 255 . 255 . 0 . 0
Gateway 169 . 254 . 105 . 134
DNS1 0 . 0 . 0 . 0
DNS2 0 . 0 . 0 . 0

E. **If the camera supports the EasyLinkTM function**, the following page **will** be displayed. Otherwise, this page **will not** be shown. *If desired, click <Skip> to skip this setting.


Brickcom
EasyLink Settings
You can use EasyLink Settings to connect to the IP camera without knowing the IP address.
EasyLink Name: 002682592c33
Live View - Windows Internet Explorer
http://002682592c33.mybrickcom.com
Brickcom
WCB-100Ap
Camera Configuration Utility
Enter the EasyLink URL into a web browser to access the camera's web GUI.
Skip

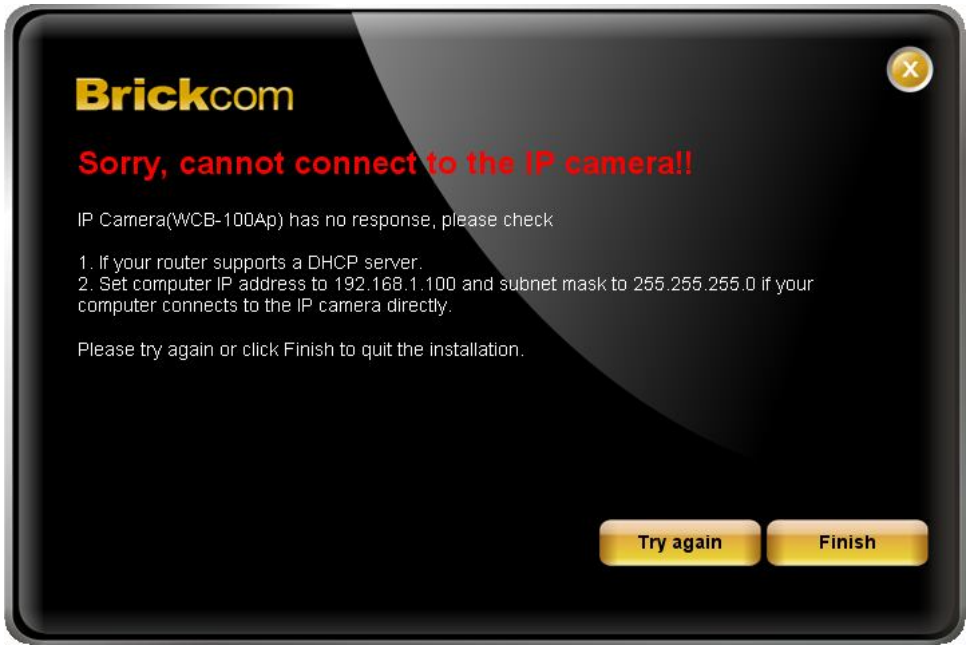
EasyLinkTM is a unique Brickcom function which allows users to assign a unique EasyLink name to their network camera's IP address. There is no need to configure the router to open up ports or remember hard-to-memorize IP addresses. Users can log onto [uniqueEasyLinkname].mybrickcom.com to view the camera's web GUI and live view.

a. Enter a unique EasyLink name whose length must be between 5-32 characters.

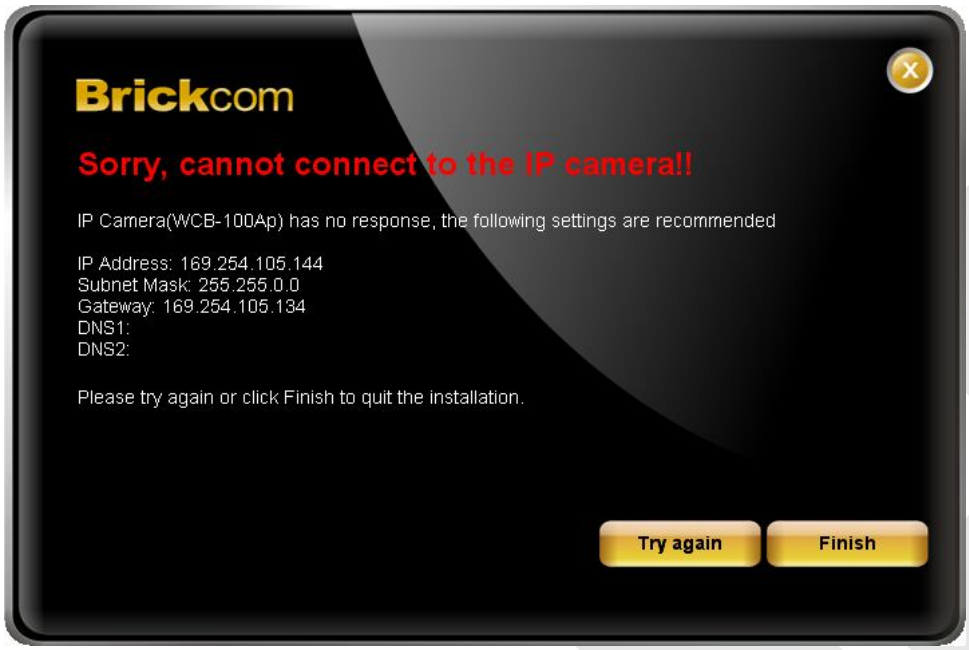
b. When finished, click the arrow button to continue.

F. When the IP address settings have been configured, the screen will either display a successful or failed connection message. If the connection failed, either try again or quit the installation.

a. If “DHCP IP address settings” was selected, the failure page will be displayed as below:


Brickcom
Sorry, cannot connect to the IP camera!!
IP Camera(WCB-100Ap) has no response, please check
1. If your router supports a DHCP server.
2. Set computer IP address to 192.168.1.100 and subnet mask to 255.255.255.0 if your computer connects to the IP camera directly.
Please try again or click Finish to quit the installation.
Try again
Finish

b. If “Static IP address settings” was selected, the failure page will be displayed as below:



c. If the connection was successful, the user will see the message: “Congratulations. The installation of the camera is complete.”

When this window is displayed, click <PC-NVR> to start the PC-NVR program, <Live View> to view the live video from the connected IP camera, or <X> in the top right corner of the screen to close the installation window. If the user starts the PC-NVR program, please refer to the PC-NVR user manual.

Once installation is complete, the Administrator should proceed to the next section "Accessing the Network Camera" for necessary changes and configurations.